

Dear FCC,

Please accept my reply comments regarding BPL, in particular respect to comments filed by United Power Line Council (UPLC). I have 35 years of experience as an engineer at a Rural Electric Cooperative. I also have 30+ years of RF engineering experience in TV, FM, microwave, and 2-way as well as over 43 years as an amateur radio operator. All of this experience is in a rural environment which in my opinion will be most affected by deployment of BPL.

UPLC's comment that "existing rules protect licensed users against interference from BPL systems" is blatantly incorrect. BPL should NOT be implemented in any form in the USA, for to do so would produce a great magnitude of spectrum deterioration in BPL's operating frequency range.

Electric power lines will act as large transmitting antenna arrays. At the proposed operating range of HF and low VHF frequencies, where skywave propagation is the norm, even micro-Watts of energy has proven to be capable of intercontinental transmission.

Rural, sparsely populated areas would potentially be one of the most benefited locales should BPL prove to be an effective transportation medium. However, rural electric power lines serve populations which may be most effected by the "incidental radiation" of BPL. A multitude of services may be affected by the low level signals radiated across the HF and low VHF spectrums. Rural areas traditionally have the lowest level of received signals and therefore would be most affected by ANY increase in ambient RF noise.

At our electric cooperative we already provide broadband Internet service via the 2.4 and 5.8 GHz. bands using 802.11 technology. The local telephone cooperative is currently installing Digital Subscriber Line equipment to offer another choice. Satellite delivery is also available for those that are VERY rural, out of reach of wireless and DSL.

For these reasons our electric cooperative has no intention of installing BPL. 1. Cost effective methods for delivering broadband Internet connection already exist, and 2. The spectrum pollution created by BPL would cause a serious deterioration of radio reception capabilities of many of our members.

There is no need for this proposed alternate method of broadband data delivery which is inferior in capability to established methods and will create interference to existing licensed services.

Thank you. Milt Jensen, Manager of Technical Services, Duncan Valley Electric Cooperative, Inc.